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Please type a plus sign (+) inside this box ☐PTO/SB/05 (11-00)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	24-BR-6010
First Inventor	Boardman
Title	SYSTEMS AND METHODS OF PRODUCING HYDROGEN USING A NUCLEAR REACTOR
Express Mail Label No.	EL319733567US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)  
See 37 CFR 1.27
2. ☐ Application claims small entity status.  
See 37 CFR 1.27
3. ☒ Specification [Total Pages **12**]  
(Preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) [Total Sheets **3**]
5. ☐ Oath or Declaration [Total Pages **2**]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(c).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))  
37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
10. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(If foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Express Mail Certificate

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Custom No. or Attach bar code label here) or ☒ Correspondence address below

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Signature	<i>Michael Terzillo</i>	Date	12/12/00

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PATENT  
24-BR-6010

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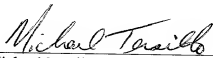
Express Mail mailing label number: **EL319733567US**

Date of Mailing: **December 12, 2000**

I certify that the attached utility patent application of **CHARLES E. BOARDMAN** and **ALLEN E. DUBBERLEY** for **SYSTEMS AND METHODS OF PRODUCING HYDROGEN USING A NUCLEAR REACTOR** (Attorney Docket No. 24-BR-6010) including:

- Six (6) pages of specification; five (5) pages of claims; one (1) page of abstract
- Drawings (3 sheets)
- Utility Patent Application Transmittal (1 pg.)
- Fee Transmittal (in duplicate) (1 pg.)
- Declaration and Power of Attorney (2 pgs.)
- Assignment (1 pg.) and Assignment Recordation Form (in duplicate) (1 pg.)
- Information Disclosure Statement (1 pg.) and Information Disclosure Statement Transmittal Form (2 pgs.) (in triplicate), with Attachments A and B
- Certificate of Mailing Via Express Mail (1 pg.)
- Return post card

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

  
\_\_\_\_\_  
Michael Tersillo  
Reg. No. 42,180  
Armstrong Teasdale LLP  
One Metropolitan Square, Suite 2600  
St. Louis, MO 63102  
(314) 621-5070

Patent fees are subject to annual revision

Filing Date

First Named Inventor

### Group Art Unit

Examiner Name \_\_\_\_\_

Attorney Docket Number

**Complete if Known**

Boardman

24-BR-6010

TOTAL AMOUNT OF PAYMENT

(\$)782.00

Attorney Docket Number	24-BR-6010
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**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account	01-2384
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Deposit Account	
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☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status See 37 CFR 1.16 and 1.17

**Payment Enclosed:**

Check ☐ Credit Card ☐ Money Order ☐ Other

### FEE CALCULATION

## BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
#01	710	201	355	Utility Filing Fee	710.00
#06	320	206	160	Design Filing Fee	
#07	490	207	245	Plant Filing Fee	
#08	710	208	355	Reissue filing Fee	
#18	150	214	75	Provisional Filing Fee	
SUBTOTAL (1)					710.00

## 2.2. EXTRA CLAIM FEES

		Extra Claims	Fee From Below	Fee Paid
Total Claims	24	-20**	x 18	= 72.00
Independent Claims	2	-3*	x 80	= -6-
Multiple Dependent			x	=
Large	Entity	Small	Entity	
Code	Fee	Code	Fee	
(5)	(5)	(5)	(5)	
Fee Description				
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				72.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2520	147	2520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1390	218	695	Extension for reply within fourth month	
128	1890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavailable	
141	1240	241	620	Petition to revive - unintentional	
142	1240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applicants	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after a final rejection (37 CFR 1.125(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.125(b))	
179	710	279	355	Request for Continued Examination (RCE)	
168	900	168	900	Request for expedited examination of a design application	
Other fee (specify)					

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

## SUBMITTED BY

Name (Print/Type)

Michael Tersillo

Registration No.  
(Attorney/Agent)

42 180

Complete (if applicable)

Telephone 314-621-5070

Signature \_\_\_\_\_

Date \_\_\_\_\_

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